



# 2013 PEDIATRIC SUMMARY REPORT

## RAC Q

Texas EMS/Trauma Registry

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The Pediatric Summary Report provides a brief overview of the trauma hospitalization data for patients under the age of 18 submitted by RACs to the Texas EMS/Hospital Trauma Registry.

The hospital inclusion criteria are as follows per Texas Administrative Code, Title 25, Chapter 103:

### **Traumatic Brain Injuries**

An acquired injury to the brain, including brain injuries caused by anoxia due to submersion incidents. The following International Classification of Diseases 9th Revision Clinical Modification (ICD-9-CM) diagnostic codes are to be used to identify cases of traumatic brain injury: 800.0-801.9, 803.0-804.9, and 850.0-854.1. The ICD-9-CM diagnostic code to be used to identify traumatic brain injury caused by anoxia due to submersion incidents is 348.1 or 994.1 (Rule § 103.2).

### **Spinal Cord Injuries**

An acute, traumatic lesion of the neural elements in the spinal canal, resulting in any degree of sensory deficit, motor deficits, or bladder/bowel dysfunction. The ICD-9-CM diagnostic codes are to be used to identify cases of traumatic spinal cord injury: 806.0-806.9 and 952.0-952.9 (Rule § 103.2).

### **Other Traumatic Injuries**

An injury listed in the ICD-9-CM diagnostic codes between 800.0 and 959.9, excluding 905-909, 910-924, and 930-939, and admitted to a hospital inpatient setting (for more than 48 hours), or died after receiving any evaluation or treatment or was dead on arrival, or transferred into or out of the hospital (Rule § 103.2).

Note: The ICD-9-CM codes used above are diagnosis codes, not E-codes.

This summary report only includes data on hospital records that were reported to the registry through a passive surveillance system. Additionally, these data are based on hospitalizations, not patients, such that if a patient was hospitalized more than once or transferred between facilities, both hospital records will be included.

The following report was generated with pediatric hospital patient records submitted to the Texas EMS/Trauma Registry as of 4/8/2014. This report includes only trauma hospitalization records successfully submitted to the Texas EMS/Trauma Registry for the year specified.

Questions? Feel free to contact the Injury Program through our webpage (<http://www.dshs.state.tx.us/injury>), by phone (1-800-242-3562), or by email ([injury.web@dshs.state.tx.us](mailto:injury.web@dshs.state.tx.us)).

For information on the 22 Texas RACs, visit:

<http://www.dshs.state.tx.us/emstraumasystems/etrarac.shtm>

## RAC Q

### OVERVIEW

SUMMARY COUNTS	PEDIATRIC HOSPITALIZATIONS (AGES 0-17)	
	TOTAL:	3510
	TRAUMA TEAM ACTIVATION	
	Yes:	840
	No:	847
	TRANSFERS	
	Transferred In	
	Total:	1164
	From entity within RAC:	783
	Transferred Out	
	Total:	816
	To entity within RAC:	761
	TYPES OF INJURIES	
	TBI Injuries:	778
	SCI Injuries:	18



62.9% of all pediatric hospitalizations were male.

37.5% of pediatric hospitalizations were Hispanic.

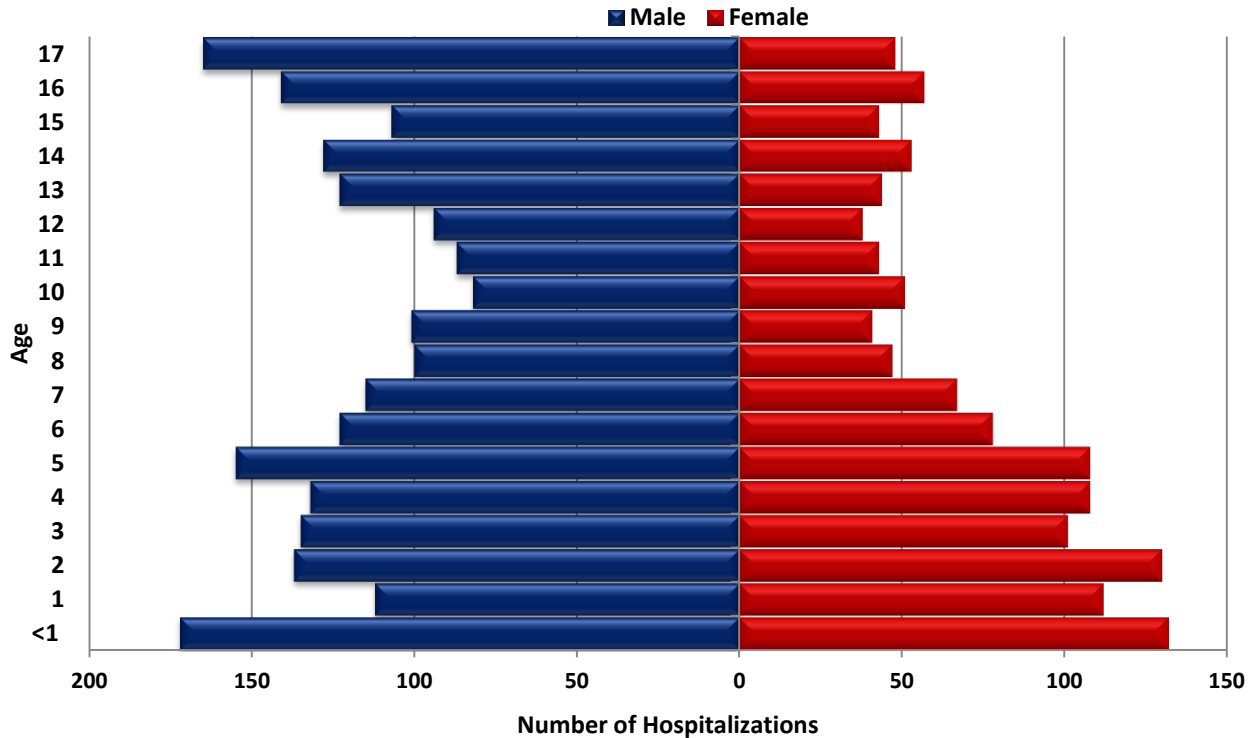
61.4% of all unintentional injuries were associated with either Falls or Motor Vehicle injuries.

11.1% of pediatric traumatic brain injuries were assessed with severe head injuries.

71.2% of all pediatric traumatic brain injuries had an injury severity score of 16 or greater.

# DEMOGRAPHICS

Number of Pediatric Hospitalizations by Age and Sex



Pediatric Hospitalizations by Age, Sex, Race, & Ethnicity

Age	Sex		Race				Ethnicity	
	Male	Female	White	Black	Other	Unknown	Non-Hispanic	Hispanic
<1	172	132	122	56	17	0	110	185
1	112	112	77	34	23	0	93	126
2	137	130	105	38	17	1	109	149
3	135	101	80	45	15	0	99	132
4	132	108	95	33	18	0	93	141
5	155	108	101	44	20	0	108	145
6	123	78	73	29	10	0	88	103
7	115	67	82	24	4	0	72	102
8	100	47	59	21	5	0	62	82
9	101	41	58	24	15	0	46	90
10	82	51	62	24	9	0	38	91
11	87	43	59	24	7	1	41	85
12	94	38	55	27	5	1	46	85
13	123	44	80	35	6	3	43	117
14	128	53	70	44	10	0	55	113
15	107	43	62	30	3	0	55	91
16	141	57	64	53	5	0	77	120
17	165	48	77	49	5	0	81	129
Total	2209	1301	1381	634	194	6	1316	2086

## CAUSE OF INJURY

Mechanisms of Injury by Intent					
External Cause of Injury	Manner/Intent				Total
	Unintentional	Self-Inflicted	Assault	Undetermined	
Cut/pierce	65	12	19	0	96
Drowning/submersion	18	0	0	0	18
Fall	1494	0	0	4	1498
Fire/burn	145	1	1	2	149
Firearm	9	5	41	7	62
Machinery	4	0	0	0	4
Motor vehicle traffic	474	0	0	1	475
Pedal cyclist, other	96	0	0	0	96
Pedestrian, other	22	0	0	0	22
Transport, other	217	0	0	0	217
Natural/environmental	95	0	0	0	95
Overexertion	26	0	0	0	26
Poisoning	2	0	0	0	2
Struck by, against	368	3	41	0	412
Suffocation	1	0	0	0	1
Other specified and classifiable	104	2	54	2	162
Other specified, not elsewhere classifiable	35	7	11	6	59
Unspecified	34	0	18	17	69
<b>Total</b>	<b>3207</b>	<b>30</b>	<b>185</b>	<b>39</b>	<b>3510</b>

The table above is based on a framework detailed by the Centers for Disease Control and Prevention. For more details, visit [http://www.cdc.gov/ncns/injury/injury\\_tools.htm](http://www.cdc.gov/ncns/injury/injury_tools.htm)

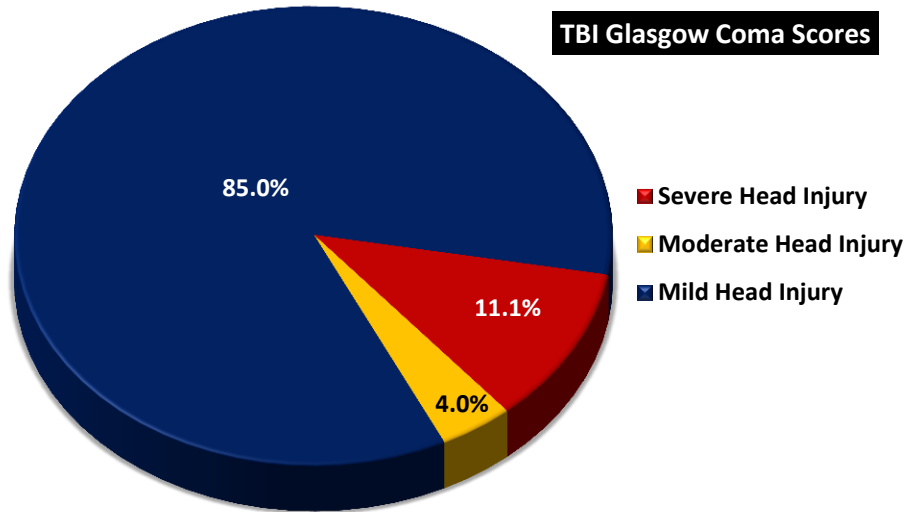
The leading injury diagnoses for all pediatric hospitalizations in 2013 are specified in the table below.

Five Leading Pediatric Injury Diagnoses		
Rank	Injury Category	Hospitalizations
1	Fracture of upper limb	988
2	Fracture of skull	585
3	Contusion with intact skin surface	531
4	Fracture of lower limb	484
5	Open wound of head, neck, and trunk	474

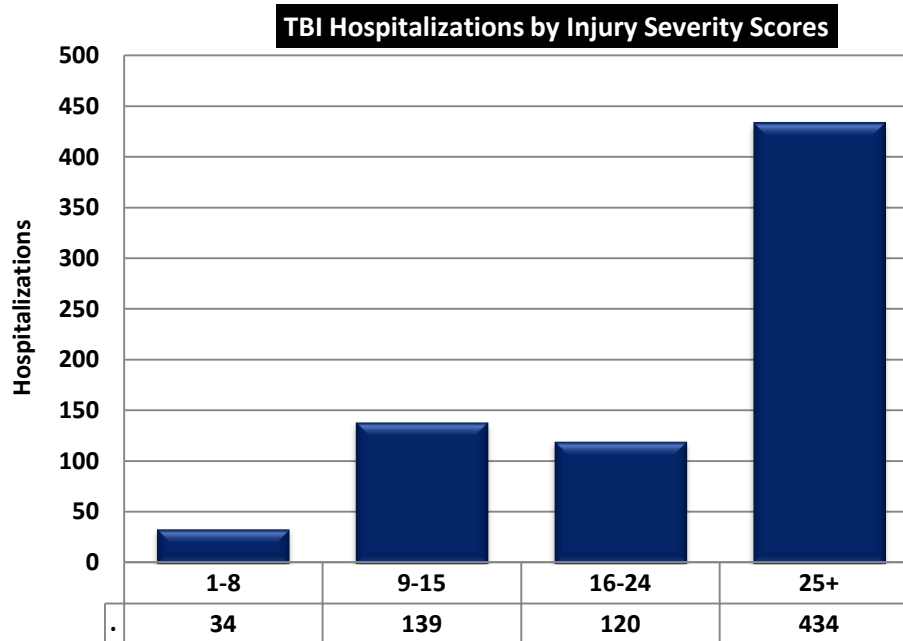
For details for which specific injury diagnosis codes are included in each ICD-9 injury diagnoses category, refer to [http://www.health.gov.bc.ca/msp/info/prac/diagcodes/800\\_injury.pdf](http://www.health.gov.bc.ca/msp/info/prac/diagcodes/800_injury.pdf)

## ASSESSMENTS

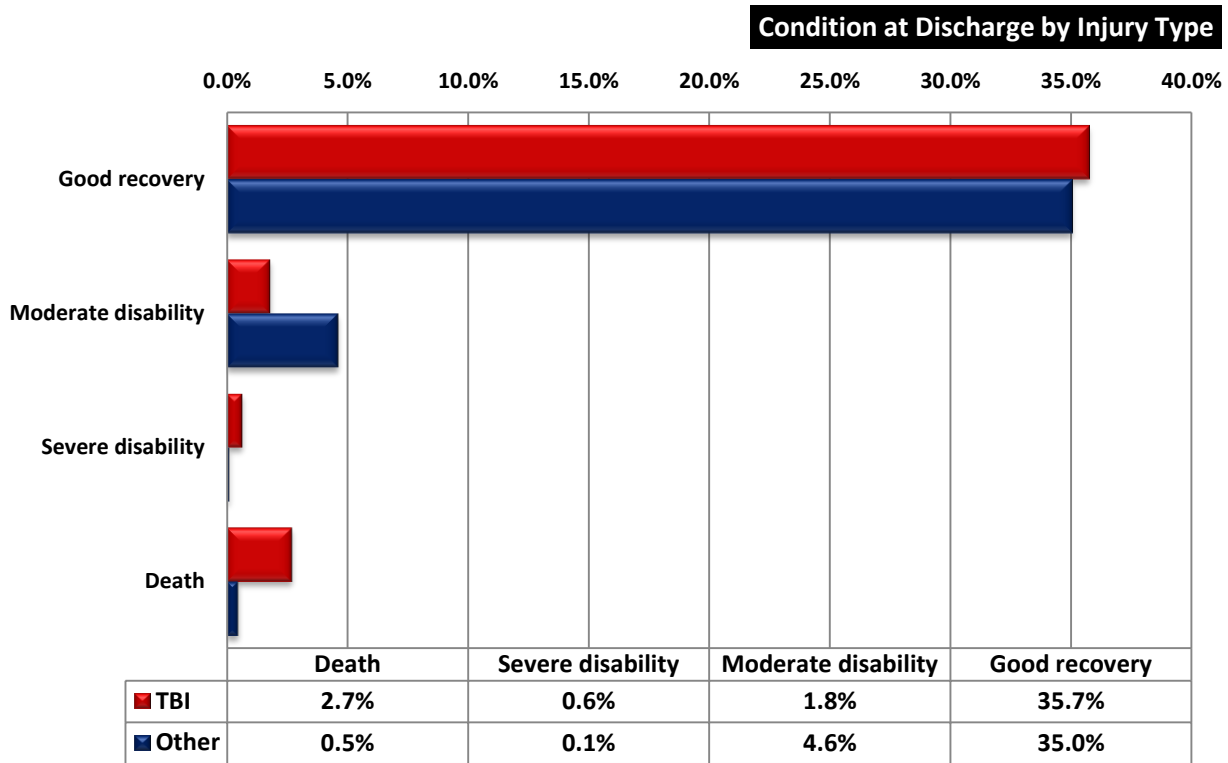
Total number of pediatric traumatic brain injuries 778



*Glasgow coma score ranges: Severe: Scores 3-8; Moderate: 9-12; Mild: 13-15.*



# CONDITION AT DISCHARGE



Pediatric Deaths by Age & Injury Type			
Age	TBI	Other Injury	Total
<1 year	7	3	10
1	2	2	4
2	1	1	2
3	0	1	1
4	1	1	2
5	1	0	1
6	1	0	1
7	0	0	0
8	1	2	3
9	0	0	0
10	0	0	0
11	0	0	0
12	0	1	1
13	2	0	2
14	1	0	1
15	0	1	1
16	2	1	3
17	2	0	2
Total	21	13	34

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### ADDITIONAL NOTES

Hospitals whose data contribute to this report are listed below.

Entity	Hospitalizations
Bayshore Medical Center	28
Bellville General Hospital	3
Bellville St Joseph Health Center	12
Ben Taub General Hospital	99
Clear Lake Regional Medical Center	325
Columbus Community Hospital	12
Conroe Regional Medical Center	79
Cypress Fairbanks Medical Center	15
Doctors Hospital - Tidwell	13
East Houston Regional Med Ctr	125
El Campo Memorial Hospital	12
Gulf Coast Medical Center	13
Houston Northwest Medical Center	41
Huntsville Memorial Hospital	37
Lyndon B Johnson General Hospital	171
Matagorda General Hospital	15
Memorial Hermann Hospital	690
Memorial Hermann Katy Hospital	64
Memorial Hermann Northwest Hospital	56
Memorial Hermann Southeast Hospital	68
Memorial Hermann Southwest Hospital	133
Memorial Hermann Sugarland	49
Memorial Hermann The Woodlands Hospital	29
North Cypress Medical Center	3
OakBend Medical Center	30
Palacios Community Medical Center	9
Park Plaza Hospital	1
Patients Medical Center	2
Rice Medical Center	3
St Anthony's Hospital	8
St Luke's Community Medical Ctr - The Woodlands	62
St Luke's Hospital at The Vintage	12
St. Luke's Lakeside Hospital LLC	1
St. Lukes Episcopal Hospital	53
St. Lukes Sugar Land Hospital	26
Texas Children's Hospital	1105
Texas Children's Hospital West Campus	105
University General Hospital	1